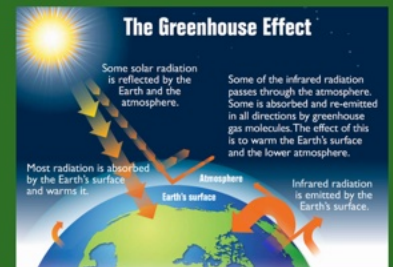


Biodiversity Complete Unit - Middle School

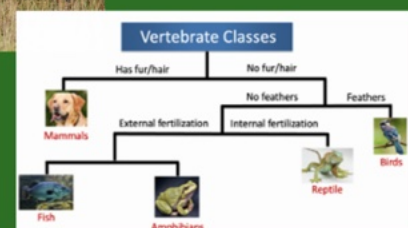
The Unit Includes:

- 4 Weeks of Resources
- 7 Complete Lessons
- 3 Culminating Tasks
- Boom Cards & Video Worksheet
- Digital Interactive Notebook
- Digital Scavenger Hunt, Lab Station, and Reading Article



Included Lessons:

1. Biodiversity Exploration
2. Biodiversity Understanding
3. Biodiversity and Species Resilience
4. Biodiversity and Interrelationships
5. Biodiversity and Invasive Species
6. Biodiversity and Climate Change
7. Biodiversity and Indigenous Agriculture



7 Complete Lessons in Office and Google Formats

Classifying Life - Exploring Biodiversity Lesson

- What is Biodiversity?
- Why Classify Living Things?
- 6 Major Groups of Organisms
- Classification/Taxonomy
- How Living Things are Grouped
- 7 Levels of Taxonomy



Understanding Biodiversity: Life's Variety Lesson

- What is Biodiversity?
- Levels of Biodiversity
- Genetic Diversity, Species Diversity, Ecosystem Diversity
- Biodiversity in Your Backyard



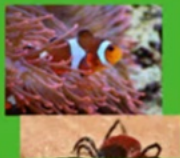
Biodiversity - Essential for Survival and Resilience

- Why is Biodiversity Important?
- Importance of Biodiversity Within Species
- Case Study - Peppered Moths
- Importance of Biodiversity within Communities
- Resilience and Biodiversity
- Importance of Biodiversity Among Communities



Biodiversity and Interrelationships

- Why is Biodiversity Important?
- Importance of Biodiversity Within Species
- Case Study - Peppered Moths
- Importance of Biodiversity within Communities
- Resilience and Biodiversity
- Importance of Biodiversity Among Communities
- Biodiversity and Human Well-being
- Threats to Biodiversity
- Protecting Biodiversity

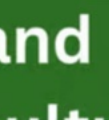


- Biodiversity Hotspots
- Why is Biodiversity Important?
- Threats to Biodiversity
- Protecting Biodiversity



Biodiversity and Climate Change

- What is Climate Change?
- How Climate Change Affects Biodiversity
- Habitat Loss Due to Climate Change
- Case Study: Coral Reef Bleaching
- Changing Species Habitats
- Climate Vulnerability
- Extinction
- Impacts on Ecosystems
- Case Study: Amazon Rainforest
- Global Warming
- What is Climate Change?



Biodiversity and Invasive Species

- Invasive vs. Native Species
- The Effect of an Invasive Species on an Ecosystem
- How Invasive Species Reduce Biodiversity
- Case Study - The Small Asian Mongoose and Cane Toad
- Controlling Invasive Species
- 5 Extreme Invasive Species



Biodiversity and Indigenous Agriculture

- What Indigenous Agriculture is
- Biodiversity in Indigenous Farming
- Why Biodiversity is Important for Indigenous Agriculture
- Case Studies - The Three Sisters Planting Method, Aztec Chinampas, and Rice Terraces
- Biodiversity and Food Security
- Adapting to Change
- Supporting Cultural Practices
- Challenges to, and Protection of, Indigenous Agriculture



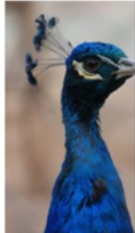
Teacher and Student Versions Videos Embedded in Lessons

Classifying Life - Exploring Biodiversity Lesson



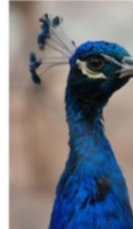
What is Biodiversity?

Definition: The variety of life on Earth at all levels, from genes to ecosystems.



What is Biodiversity?

Definition: _____



Teacher and Student versions of each slide to keep your students engaged

Biodiversity and Climate Change

Case Study: Coral Reef Bleaching

- When water is too warm, corals get rid of the algae living in them causing the coral to turn completely white
- Coral bleaching is happening because of climate change (warmer waters) and is very serious



Biodiversity and Climate Change - Exit Ticket

teachsciencewithfurry@gmail.com [Switch account](#)

Not shared

* Indicates required question

Reduced crops and farming, decrease in fishing and lumber, and negative impacts to the beauty of the land are examples of _____ 1 point

☐ disruptions to the food chain

☐ reduced ecosystem services

☐ economic impacts of climate change

☐ cultural impacts of climate change

Next Page 1 of 4

4-Question,
Autograded Exit
Ticket

Videos embedded
directly in your slides



Each lesson comes with a 4-
question, autograded Exit Ticket

7 Engaging Activities

Bill Nye

The Science of Biodiversity

Biodiversity & Invasive Species

Two Versions

- With and without Bank
- Fully Editable
- Answer Key
- Google Doc, Word

25 DIGITAL TASK CARDS



Chapter 8: The Importance of Biodiversity

Digital Interactive Notebook

- 100% Digital and Interactive
- Perfect for your Google Classroom or Microsoft OneDrive

Population Status

List

SMART MEDIA



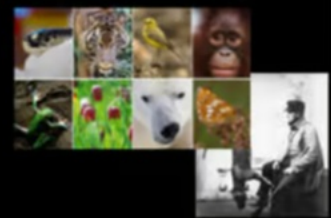
Device-Based Scavenger Hunt Biodiversity

Includes

- 5 Unique Locations
- Online form submission
- Answer Key

Works on all smartphones, tablets, Chromebooks, and laptops

- 100% Digital
- Simulations
- Quizzes
- Videos
- Games
- and more



TWIF

Biodiversity

Scientific Reading

Comprehension Article and Extension Activity – Grades 5-7



Improve your students **Literacy** and **Analysis Skills**, use as an **Emergency Substitute Plan** or create **Applicability** in your classroom

Biodiversity and Invasive Species

Lab Station Activity



7 Lab Station Activities to get your kids out of their seats and engaged in their learning

BIODIVERSITY CULMINATING TASK BUNDLE

- The bundle includes 3 culminating tasks (unit projects)
- Each is fully editable and includes a complete rubric
- Comes in Office, PDF, and Google Formats

Diorama



Infographic



Presentation

TWIF

Who's It For?

- **Middle School Science Teachers**
- **Teachers using NGSS**
- **Teachers who want to increase their student's engagement and retention**
- **Teachers not looking to reinvent the wheel**



What You Get

Complete Lessons

- **Make sure your students are on track**
- **Teacher and student version to keep them focused**
- **4-Question, Auto graded Exit Ticket**
- **Videos Embedded Directly Into Each Lesson**

Activities and Assessment

- **7 Activities**
- **Culminating Project Bundle**
- **Digital Boom Cards**
- **Science Reading Article**
- **Lab Station Activity**
- **Digital Interactive Notebook Pages**
- **A Digital Scavenger Hunt Activity**
- **Video Companion Worksheet**



Save yourself the **STRESS AND TIME**



TWF

Spend your time WISELY



TWF